

5. (Once Amended) The microplate of Claim 1, wherein said frame has a footprint sized to be handled by a robotic handling system.

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6. (Once Amended) The microplate of Claim 1, wherein each well is positioned on said frame such that a liquid handling system can automatically deposit a sample solution into said first well and can automatically deposit a reagent solution into said second well.

10. (Once Amended) A protein crystallography plate, comprising:

a frame including a plurality of wells formed therein, each well including:

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a first well including a relatively small reservoir having a substantially concaved bottom for receiving a protein solution and a reagent solution; and

a second well including a relatively large reservoir for receiving a reagent solution that has a higher concentration than the reagent solution within said first well, wherein the protein solution and the reagent solution within said first well interact with the reagent solution within said second well via a vapor diffusion process which enables the formation of protein crystals within said first well, wherein said first well and said second well are adjacent to one another.

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16. (Twice Amended) The protein crystallography plate of Claim 10, wherein each well is positioned on said frame so that a liquid handling system can automatically deposit the protein solution and the reagent solution into said first well and can automatically deposit the reagent solution into said second well.

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37. (Once Amended) A protein crystallography plate, comprising:

a frame made from cyclo-olefin that includes a plurality of wells formed therein, each well is also made from cyclo-olefin and includes:

a first well including a relatively small reservoir having a substantially concaved bottom for receiving a protein solution and a reagent solution; and

a second well including a relatively large reservoir for receiving a reagent solution that has a higher concentration than the reagent solution within said first well, wherein the protein solution and the reagent solution within said first well interact with the reagent solution within said second well via a vapor diffusion process which enables the formation of protein crystals within said first well, wherein said first well and said second well overlap one another.

41. (Once Amended) The protein crystallography plate of Claim 37, wherein said frame has a footprint sized to be handled by a robotic handling system.

32 42. (Once Amended) The protein crystallography plate of Claim 37, wherein each well is positioned on said frame such that a liquid handling system can automatically deposit the protein solution and the reagent solution into said first well and can automatically deposit the reagent solution into said second well. --
